of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 09:01:06 ON 17 OCT 2006

=> file req

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 09:01:23 ON 17 OCT 2006 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 16 OCT 2006 HIGHEST RN 910535-95-4 DICTIONARY FILE UPDATES: 16 OCT 2006 HIGHEST RN 910535-95-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

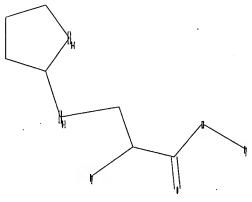
TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

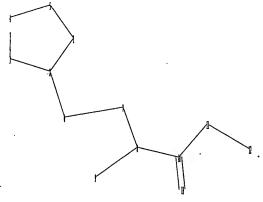
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

Uploading C:\Program Files\Stnexp\Queries\10776559.str





chain nodes :

6 7 8 9 10 11 12 13

ring nodes:
1 2 3 4 5 chain bonds:

2-6 6-7 7-8 8-9 8-10 10-11 10-13 11-12

ring bonds :

1-2 1-5 2-3 3-4 4-5

exact/norm bonds :

1-2 1-5 2-3 3-4 4-5 8-9 10-11 10-13 11-12

exact bonds :

2-6 6-7 7-8 8-10

Match level :

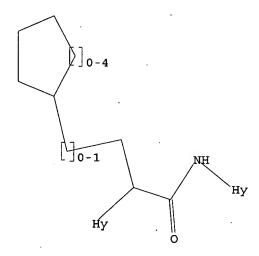
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:Atom 10:CLASS 11:CLASS 12:Atom 13:CLASS

L1 STRUCTURE UPLOADED

=> d

L1 HAS NO ANSWERS

C1 ST



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 09:01:47 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 169606 TO ITERATE

1.2% PROCESSED 2000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

1 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

BATCH **INCOMPLETE**

PROJECTED ITERATIONS: 3367888 TO 3416352

PROJECTED ANSWERS: 1144 TO 2248

L2 1 SEA SSS SAM L1

=> s l1 full

Page 3 Saeed

FULL SEARCH INITIATED 09:01:55 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 3382686 TO ITERATE

22.4% PROCESSED 756145 ITERATIONS

320 ANSWERS

28.6% PROCESSED 968631 ITERATIONS

335 ANSWERS

29.6% PROCESSED 1000000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

335 ANSWERS

SEARCH TIME: 00.00.41

FULL FILE PROJECTIONS: ONLINE **INCOMPLETE**

BATCH **INCOMPLETE**

PROJECTED ITERATIONS:

3382686 TO 3382686

PROJECTED ANSWERS:

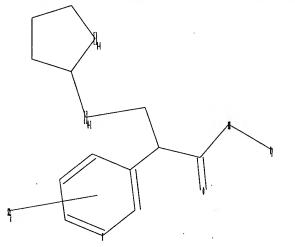
1033 TO 1233

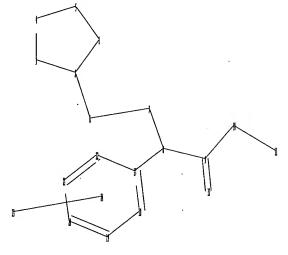
L3

335 SEA SSS FUL L1

=>

Uploading C:\Program Files\Stnexp\Queries\107765591.str





chain nodes :

6 7 8 9 10 11 12 23

ring nodes :

1 2 3 4 5 17 18 19 20 21 22

chain bonds :

2-6 6-7 7-8 8-9 8-17 9-10 9-12 10-11

ring bonds :

1-2 1-5 2-3 3-4 4-5 17-18 17-22 18-19 19-20 20-21 21-22

exact/norm bonds :

1-2 1-5 2-3 3-4 4-5 9-10 9-12 10-11

exact bonds :

2-6 6-7 7-8 8-9 8-17

normalized bonds :

17-18 17-22 18-19 19-20 20-21 21-22

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:Atom 12:CLASS 17:CLASS 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:CLASS 24:Atom

STRUCTURE UPLOADED L4

=> d L4 HAS NO ANSWERS L4 STR

了0-1 SO2

Structure attributes must be viewed using STN Express query preparation.

SAMPLE SEARCH INITIATED 09:07:13 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED -8 TO ITERATE

100.0% PROCESSED

8 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS:

8 TO 329

PROJECTED ANSWERS:

1 TO 80

L5

1 SEA SSS SAM L4

=> s 14 full

FULL SEARCH INITIATED 09:07:23 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 218 TO ITERATE

100.0% PROCESSED

218 ITERATIONS

22 ANSWERS

SEARCH TIME: 00.00.01

L6 22 SEA SSS FUL L4

=> file caplus

Page 5 Saeed

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 337.40 337.61

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 09:07:29 ON 17 OCT 2006
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FILE COVERS 1907 - 17 Oct 2006 VOL 145 ISS 17 FILE LAST UPDATED: 15 Oct 2006 (20061015/ED)

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=> s 16

L7 1 L6

=> d ibib abs hitstr tot

L7 ANSWER 1 OF 1
ACCESSION NUMBER:
DOCUMENT NUMBER:
TITLE:
INVENTOR(S):
CAPLUS COPYRIGHT 2006 ACS on STN
2004:696370 CAPLUS
141:225497
Preparation of tri(cyclo) substituted amide
glucokinase activator compounds
Pyfe, Matthew Colin Thor; Gardner, Liea Sarah; INVENTOR(S): Nawano,

Masso; Procter, Martin James; Williams, Geoffrey Martyn; Witter, David; Yasuda, Kosuke; Rasamison, Chrystelle Marie; Castelhano, Arlindo Osi Pharmaceuticals, Inc., USA PCT Int. Appl., 77 pp.
CODEN: PIXXD2
Patent
English

PATENT ASSIGNEE(S): SOURCE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. PATENT NO. KIND DATE APPLICATION NO. DATE

WO 2004072066 A1 20040826 WO 2004-US33982 20040210

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BM, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, BB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI
RW: BM, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,
BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU,
MC, NL, PT, RO, SE, SI, SK, TR, BP, BJ, CP, CG, CI, CM, GA, GN,
GO, GM, ML, MR, NE, SN, TD, TG

US 2004186390 A1 20040923 US 2004-776559 20040210

EP 1594863 A1 20040923 US 2004-705897 20040210

EP 1594863 A1 20051116 EP 2004-709897 20040210

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
PRIORITY APPLN. INFO::

US 2003-512826P

WO 2004-US3982 20040210

OTHER SOURCE(S): MARPAT 141:225497

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

IT

Assistator Assistation (Richard Spin (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Usea)

(Uses)
(preparation of tricyclo substituted propionamides and acrylamides as glucokinase activators for treating hyperglycemia and diabetes)
745815-67-2 CAPLUS
3-Pyridinaecteamide, N-(5-chloro-2-pyridinyl)-a-(cyclopentylmethyl)-6-(cyclopropylsulfonyl)- (9CI) (CA INDEX NAME)

745815-68-3 CAPLUS 3-Pyridineacctamide, a-(cyclopentylmethyl)-6-(cyclopropylsulfonyl)-N-1,2,4-thiadiazol-5-yl- (9CI) (CA INDEX NAME) L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

The title compds. [I; one of Al-A5 = N, another = CR5, another = CR6, and the other two = N, CH; Q = cycloalkyl, 5-6 membered heteroaryl, 4-8 membered heterocyclyl; T together with N:C to which it is attached forms

heteroaryl or heteroacyclyl where the N:C bond is the only site of unsatn.; Rl, R2 = H, halo, OH, CN, etc.; or Rl and R2 may be taken together to represent an oxygen atom attached to the ring via a double bond; R3, R4 = H, halo, CN, N02, etc.; CR5 and R6 together form a 5-8 membered carbocyclic or heterocyclic ring;

0-1; X indicates that the double bond has the (E)-configuration; one proviso given) which are useful in the prophylactic and therapeutic treatment of hyperglycemia and diabetes, were prepared Thus, amidation

2-(6-chloropyridin-3-yl)-3-cyclopentylpropionic acid (preparation given)

with
thiazol-2-ylamine afforded II. The exemplified compds. I produced EC50's ranging from 0.1 to 23.0 MW with max FAs from 1.7 to 6.7 in in vitro assay for GK activity. The pharmaceutical composition comprising the compound I
is claimed.

17 745816-20-0P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (preparation of tricyclo substituted propionamides and acrylamides as glucokinase activators for treating hyperglycemia and diabetes)
RN 745816-20-0 CAPLUS
Acetic acid,
[[5-[1-(cyclopentylmethyl]-2-oxo-2-(2-thiazolylamino)ethyl]-2-pyridinyl]sulfonyl]- (9CI) (CA INDEX NAME)

ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

745815-69-4 CAPLUS 3-Pyridineacetamide, a-(cyclopentylmethyl)-6-(cyclopropylsulfonyl)-N-[5-(2-furanyl)-1,3,4-thiadiazol-2-yl]- (9CI) (CA INDEX NAME)

745815-70-7 CAPLUS
3-Pyridineacetamide, a-(cyclopentylmethyl)-6-(cyclopropylsulfonyl)-N-1,3,4-thiadiazol-2-yl- (9CI) (CA INDEX NAME)

RN 745815-71-8 CAPLUS L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
3-Pyridineacetamide, a-(cyclopentylmethyl)-6-(cyclopropylsulfonyl)-N2-pyrimidinyl-|9C1| (CA INDEX NAME)

- RN 745815-72-9 CAPLUS CN 3-Pyridineacetamide, α -(cyclopentylmethyl)-6-(cyclopropylsulfonyl)-N-(4-methyl-2-oxezolyl)- (9CI) (CA INDEX NAME)
- CH₂-CH-C-NH-N-Me
- RN 745815-73-0 CAPLUS CN 3-Pyridineacetamide, α -(cyclopentylmethyl)-6-(cyclopropylsulfonyl)-N-(4-methyl-2-pyridinyl)- (9CI) (CA INDEX NAME)

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

- RN 745815-76-3 CAPLUS
 CN 3-Pyridineacetamide, a-(cyclopentylmethyl)-6-(cyclopropylsulfonyl)-N-(5-fluoro-2-pyridinyl)- (9C1) (CA INDEX NAME)
- NH NH CH2-CH N N
- RN 745815-77-4 CAPLUS
 CN 3-Pyridineacetamide, α-(cyclopentylmethyl)-6-(cyclopropylsulfonyl)-N(1-methyl-1H-pyrazol-3-yl)- (9C1) (CA INDEX NAME)
- 0===0 N N CH2-CH-C-NH-N-M
- RN 745815-78-5 CAPLUS
 CN 3-Pyridineacetamide, a-(cyclopentylmethyl)-6-(cyclopropylsulfonyl)-N-(5-methyl-2-pyridinyl)- (9C1) (CA INDEX NAME)

Page 8 Saeed

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 745815-74-1 CAPLUS
CN 3-Pyridinacetamide, a-(cyclopentylmethyl)-6-(cyclopropylsulfonyl)-N(6-methyl-2-pyridinyl)- (9CI) (CA INDEX NAME)

RN 745815-75-2 CAPLUS
CN 3-Pyridineacetamide, α-(cyclopentylmethyl)-6-(cyclopropylaulfonyl)-N3-isoxazolyl- (9CI) (CA INDEX NAME)

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

RN 745815-79-6 CAPLUS .
CN 3-Pyridineacetamide, α-(cyclopentylmethyl)-6-(cyclopropylsulfonyl)-N2-pyridinyl- (SCI) (CA INDEX NAME)

RN 745815-80-9 CAPLUS CN 3-Pyridineacetamide, N-2-benzothiazolyl-a-(cyclopentylmethyl)-6-(cyclopropylaulfonyl)- (9CI) (CA INDEX NAME)

RN 745815-81-0 CAPLUS CN 3-Pyridineacetamide, α -(cyclopentylmethyl)-6-(cyclopropylmulfonyl)-N-

10776559 10/17/06

ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN pyrazinyl- (9C1) (CA INDEX NAME) (Continued)

745815-82-1 CAPLUS 3-Pyridineacetamide, N-(6-chloropyrazinyl)- α -(cyclopentylmethyl)-6-(cyclopropylsulfonyl)- [9CI) (CA INDEX NAME)

745815-83-2 CAPLUS 3-Pyridineacetamide, α -(cyclopentylmethyl)-6-(cyclopropylsulfonyl)-N-4-pyrimidinyl- (9CI) (CA INDEX NAME)

ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)
Propanoic acid, 3-[[5-[1-(cyclopentylmethyl)-2-oxo-2-(2thiazolylamino)ethyl]-2-pyridinyl]sulfonyl]- (9CI) (CA INDEX NAME)

IT 745816-70-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of tricyclo substituted propionamides and acrylamides as glucokinase activators for treating hyperglycemia and diabetes)
RN 745816-70-0 CAPBUS
CN Acetic acid,
([5-[1-(cyclopentylmethyl)-2-oxo-2-(2-thiazolylamino)ethyl]-2-pyridinyl]sulfonyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN (Continued)

745815-84-3 CAPLUS
3-Pyridincactamide, α-(cyclopentylmethyl)-6-(cyclopropylsulfonyl)-N-(3-methyl-1,2,4-thiadiazol-5-yl)- (9CI) (CA INDEX NAME)

745816-12-0 CAPLUS 3-Pyridineacetamide, α -(cyclopentylmethyl)-6-(methylsulfonyl)-N-2-thiazolyl- (9CI) (CA INDEX NAME)

745816-18-6 CAPLUS

=> logoff

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF

LOGOFF? (Y)/N/HOLD:y

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST 6.95 344.56

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION

CA SUBSCRIBER PRICE -0.75 -0.75

STN INTERNATIONAL LOGOFF AT 09:09:51 ON 17 OCT 2006